



NATIONAL WATER SECTOR SCIENCE FORUM AS MECHANISM FOR SCIENTISTS TO ADDRESS SA WATER QUALITY CHALLENGES

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NATIONAL WATER SECTOR SCIENCE FORUM

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18 December 2022, DWS SUMMIT

PURPOSE OF NWSSF

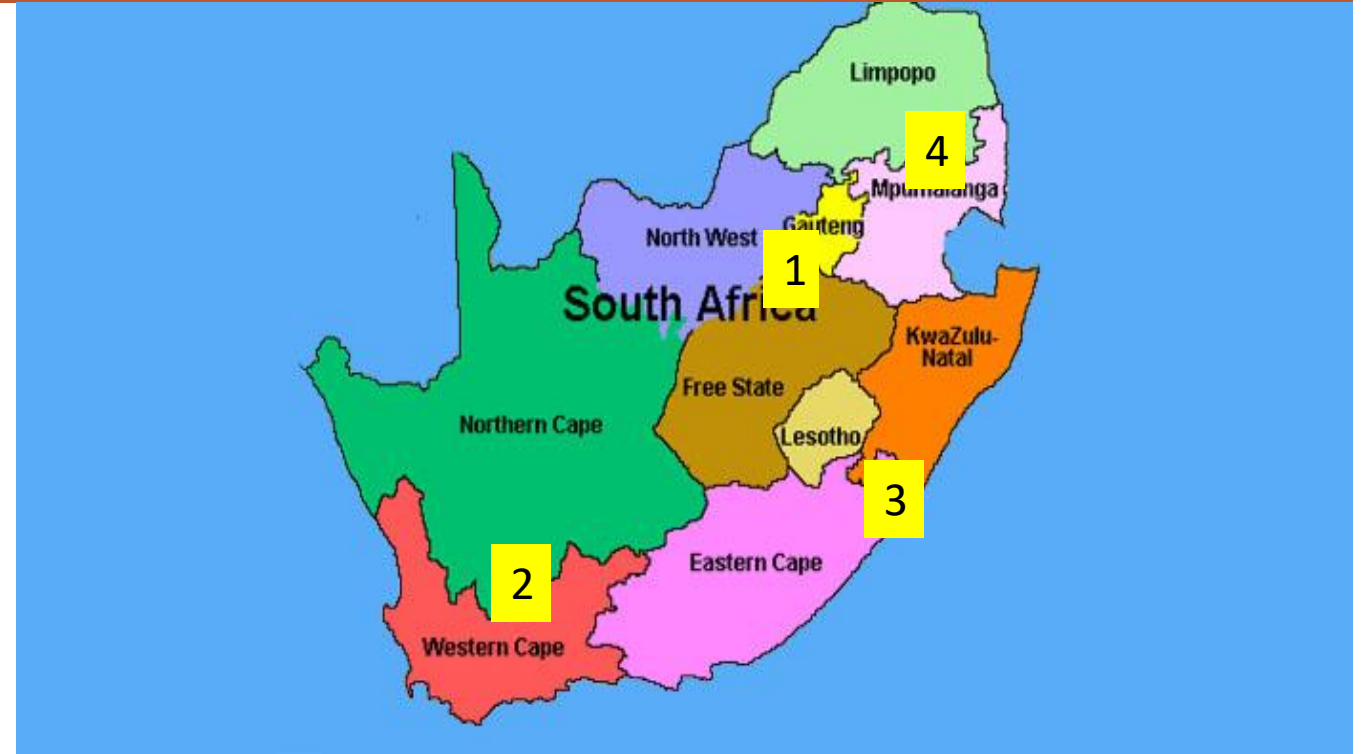
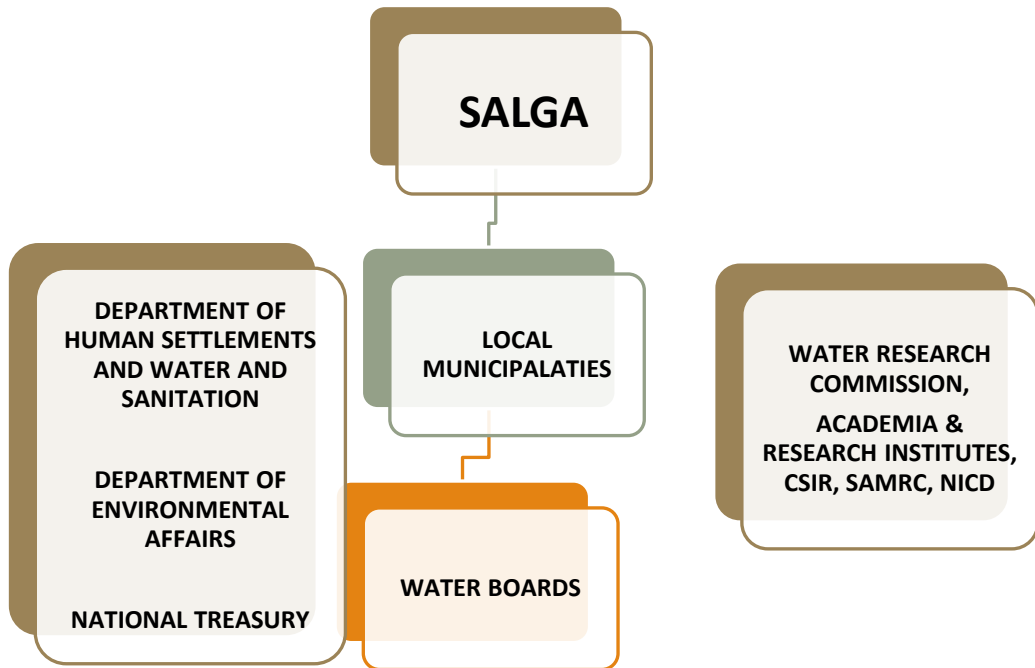
The purpose of a National Water Sector Science Forum (NWSSF) is to provide a platform for knowledge exchange and capacity building in science and research within local government. The main aims of this network are as follows:

- ❖ To provide strategic direction and leadership to the country's scientific community in order to develop intuitive scientific leaders.
- ❖ To provide a platform for sharing scientific knowledge, cutting-edge scientific solutions and best practices to support the delivery of services within local government.
- ❖ To create an environment that supports professional development and capacity building and promotes a culture of scientific excellence

LAUNCH OF NWSSF 19th & 20th September 2019



NATIONAL OPERATIONAL MODEL



REGIONAL SCIENTIFIC FORUMS LEADERS

1. FS, GP, NW (Dr Espa Ncube, Alison Chapman, Dr Vhahangwele Akinwekomi)
2. WC and NC (Mpharu Hloyi, Dr Swastika Surujlal-Naicker, Natasha Davis-Wolmarens)
3. KZN and EC (Dr Ntsapokazi Deppa, Deanne Karshagen, Pumza Matyolo)
4. LP and MP (Dr Jennifer Molwantwa and Lebo Sebola)

5 STRATEGIC COMMITMENTS



Inclusion of
all water
sector
stakeholders



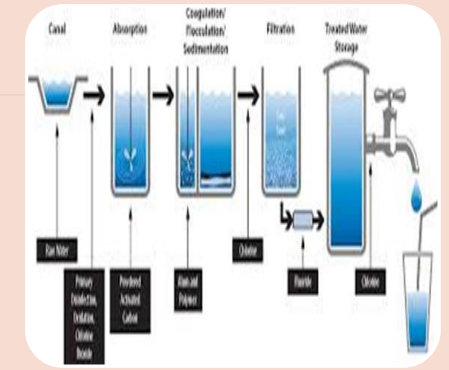
Infrastructure
&
Capacity
building of
water science
sector



Policy and
regulation
influence
&
Data
Governance



Research and
Development
&
Advisory
Services



Process
technology
support
&
Innovation

WATER SECTOR STAKEHOLDER/NETWORKS

- ❖ MOA within Municipalities and Water Boards Benchmarking on various activities
- ❖ Draft MOU with National Treasury and SALGA
- ❖ Draft MOU with CSIR
- ❖ MOA 's on Covid-19 Surveillance within Research institutes and Municipalities and Water Boards
- ❖ REGIONS established and NWSSF virtual meetings met quarterly
- ❖ WRC consistent support to NWSSF



WATER RESEARCH COMMISSION (WRC)

- ❑ Facilitation linkage to applied regional research with municipalities and water boards with academia.
- ❑ Capacity building and infrastructure evaluation and Laboratory analysis survey
- ❑ COVID-19 Survey National Research
- ❑ Need analysis of key research components per 4 regions
- ❑ Policy influence backup by data and research

CAPACITY BUILDING & SKILLS DEVELOPMENT

The Infrastructure Skills Development Grant:

- Capacity to delivery water infrastructure:
 - Technical and managerial skills
- Capacity to produce quality water as a service:
 - Scientific and Engineering knowledge required to produce water that meet specified standards.

ISDG in the Sector therefore delivers BOTH technical skills & capacity and the requisite knowledge to keep and maintain water quality.



national treasury

Department:
National Treasury
REPUBLIC OF SOUTH AFRICA

1. Evaluation of laboratories in South Africa – A survey conducted in conjunction with DWS
2. SALGA videos on Women in Science Sector/Scientific Forum You-tube videos
3. Promoting National Capacity building of scientists and SACNASP registration with National Treasury
4. Learning and sharing Water Quality information and lesson learnt
5. COVID 19 Surveillance Municipal and water boards participation

POLICY AND REGULATION INFLUENCE & DATA GOVERNANCE

1. Development and Review of Data Governance/Management Frameworks – DWS
2. Revival of Blue and Green Drop Incentive Based Regulation – DWS
3. Completed of Position Paper on Water Reclamation and to be published
4. Members as part of SANS 241 committee and other Water Quality guidelines

RESEARCH AND DEVELOPMENT & ADVISORY SERVICES

1. COVID-19 WW surveillance
2. WRC Reference Groups
3. Collaborations with academia through Chair
4. MOU's

PROCESS TECHNOLOGY SUPPORT & INNOVATION

1. Seminar/Workshops launched with Japan on Innovation and Technology – SALGA
2. Western Cape Innovation and Technology held Nov 2020
3. SALGA Innovation and Technology workshops
4. Water quality technological support

CLOSING STATEMENT

NWWSF has established the community of scientists of all spectrum to bring solutions to Water Quality Management through knowledge sharing and has potential to accelerate all country challenges through networking and established stakeholder engagements.

THANK YOU